

Title (en)  
MULTI-STAGE ORAL DRUG CONTROLLED-RELEASE SYSTEM

Title (de)  
MEHRSTUFIGES ORALES ARZNEIMITTELSYSTEM MIT KONTROLLIERTER FREISETZUNG

Title (fr)  
SYSTEME DE LIBERATION CONTROLEE D'UN MEDICAMENT ORAL A ETAPES MULTIPLES

Publication  
**EP 1469834 B1 20101103 (EN)**

Application  
**EP 03705420 A 20030129**

Priority

- KR 0300200 W 20030129
- KR 20020005858 A 20020201

Abstract (en)

[origin: WO03063834A1] The present invention relates to, as a novel oral drug delivery system for control of drug release, a preparation for maintaining drug concentration in blood at a certain level for a prolonged time by allowing the drug to be released by a constant rate through stepwise control of drug release upon the administration of the preparation.

[origin: WO03063834A1] The present invention relates to, as a novel oral drug delivery system for control of drug release, a preparation for maintaining drug concentration in blood at a certain level for a prolonged time by allowing the drug to be released by a constant rate through stepwise control of drug release upon the administration of the preparation.

IPC 8 full level

**A61K 9/16** (2006.01); **A61K 47/30** (2006.01); **A61K 9/20** (2006.01); **A61K 9/26** (2006.01); **A61K 9/28** (2006.01); **A61K 9/32** (2006.01); **A61K 31/137** (2006.01); **A61K 31/216** (2006.01); **A61K 31/401** (2006.01); **A61K 31/407** (2006.01); **A61K 31/522** (2006.01); **A61K 31/554** (2006.01); **A61K 38/55** (2006.01); **A61K 47/10** (2006.01); **A61K 47/12** (2006.01); **A61K 47/14** (2006.01); **A61K 47/32** (2006.01); **A61K 47/34** (2006.01); **A61K 47/36** (2006.01); **A61K 47/38** (2006.01); **A61K 47/44** (2006.01); **A61P 3/14** (2006.01); **A61P 9/12** (2006.01); **A61P 13/10** (2006.01); **A61P 29/00** (2006.01); **A61P 43/00** (2006.01)

CPC (source: EP KR US)

**A61K 9/16** (2013.01 - KR); **A61K 9/2077** (2013.01 - EP US); **A61K 9/2866** (2013.01 - EP US); **A61K 31/137** (2013.01 - EP US); **A61K 31/401** (2013.01 - EP US); **A61K 31/407** (2013.01 - EP US); **A61K 31/522** (2013.01 - EP US); **A61K 31/554** (2013.01 - EP US); **A61P 3/14** (2017.12 - EP); **A61P 9/12** (2017.12 - EP); **A61P 13/10** (2017.12 - EP); **A61P 29/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **A61K 9/1617** (2013.01 - EP US); **A61K 9/2054** (2013.01 - EP US); **A61K 9/282** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

Designated extension state (EPC)  
AL LT LV MK RO

DOCDB simple family (publication)

**WO 03063834 A1 20030807**; AT E486585 T1 20101115; CA 2472237 A1 20030807; CA 2472237 C 20100330; CN 100457184 C 20090204; CN 1625390 A 20050608; DE 60334775 D1 20101216; EP 1469834 A1 20041027; EP 1469834 A4 20060705; EP 1469834 B1 20101103; ES 2358101 T3 20110505; JP 2005526019 A 20050902; JP 4542781 B2 20100915; KR 100540035 B1 20051229; KR 20030066351 A 20030809; US 2003180362 A1 20030925

DOCDB simple family (application)

**KR 0300200 W 20030129**; AT 03705420 T 20030129; CA 2472237 A 20030129; CN 03803154 A 20030129; DE 60334775 T 20030129; EP 03705420 A 20030129; ES 03705420 T 20030129; JP 2003563528 A 20030129; KR 20030005153 A 20030127; US 35782103 A 20030203